MQ Photonics Seminar – 2 pm Monday 25 March

Title: 2D stretchable photonic crystal for strain sensing
Location: Multi-purpose room, 2.300 7WW

Speaker: Nonthanan Sitpathom, Macquarie University and Mahidol University, Bangkok Thailand

Abstract: We fabricated a mechanical strain sensor from polydimethylsiloxane film. We used a hexagonal monolayer of 580 nm polystyrene spheres as a template, which was created by convective deposition. Strains of 0-10% were sensed by optical diffraction under mechanical stress.